

5. (Cancel)

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July 16/03

9. (Amended) A roof panel and roof structure combination comprising:
at least one roof panel including an exterior surface and an interior surface; and
a roof structure including an exposure surface having a slight negative slope
corresponding to a slope of the at least one roof panel, a collector including opposing lateral
distal edges that upwardly extend from the collector, a support web integral with and
perpendicularly bisecting the exposure surface and the collector, wherein the exposure
surface is opposite the collector, and wherein the roof panel is closely adjacent to the support
web, and the distal edges of the collector supports the roof panel.

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14. (Amended) A roof panel and roof structure combination comprising:
at least one roof panel including an exterior surface and an interior surface, wherein
the exterior surface of the roof panel includes an arcuate projection; and
a roof structure including an exposure surface having flanges projecting outward in
opposing lateral directions, wherein at least one flange of the exposure surface of the roof
structure includes an arcuate channel, the arcuate channel being configured to interface with
the arcuate projection of the roof panel,
a collector including opposing lateral distal edges that upwardly extend from the
collector, and
a support web integral with and perpendicularly bisecting the exposure surface and
the collector, wherein the exposure surface is opposite the collector, and wherein the roof
panel is closely adjacent to the support web, and the distal edges of the collector supports the
roof panel.

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16. (Amended) A roof panel and roof structure combination comprising:
at least one roof panel including an exterior surface and an interior surface; and
a roof structure having a modulus of elasticity of at least about 2,500,000 pounds per
square inch including an exposure surface, a collector including opposing lateral distal edges
that upwardly extend from the collector, a support web integral with and perpendicularly
bisecting the exposure surface and the collector, wherein the exposure surface is opposite the
collector, and wherein the roof panel is closely adjacent to the support web, and the distal
edges of the collector supports the roof panel.

18. through 24. (Cancel)

Add the following new claims:

as
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--25. An roof structure comprising:

a vertical support web;

an exposure surface perpendicularly bisecting the support web; and

a collector perpendicularly bisecting the support web opposite the exposure surface, wherein the collector has flanges projecting outward in opposing lateral directions, each flange having a distal edge upwardly extending from the flange, the distal edge having a downwardly extending end for accepting a roof panel.

26. An roof structure comprising:

a vertical support web;

an exposure surface perpendicularly bisecting the support web, wherein at least part of the exposure surface is the exterior of the roof structure, the exposure surface including flanges projecting outward on opposing lateral directions; and

a collector perpendicularly bisecting the support web opposite the exposure surface, wherein the collector has flanges projecting outward in opposing lateral directions, each flange having a distal edge upwardly extending from the flange, the distal edge having a downwardly extending end for accepting a roof panel.

27. A roof panel and roof structure combination comprising:

at least one roof panel including an exterior surface and an interior surface, the interior surface including a longitudinally extending drip edge that provides a discontinuity in the interior panel surface; and

a roof structure including an exposure surface, a collector including opposing lateral distal edges that upwardly extend from the collector, a support web integral with and perpendicularly bisecting the exposure surface and the collector, wherein the exposure surface is opposite the collector, and wherein the roof panel is closely adjacent to the support web.